SEQUENCE LISTING

SEQ ID No. 1 CM7 amino acid sequence

1	Met	Gln	Cys	Asn	Ala	Pro	Glu	Trp	Leu	Pro
11	Phe	Ala	Arg	Pro	Thr	Asn	Leu	Thr	Asp	Glu
21	Phe	Glu	Phe	Pro	Ile	Gly	Thr	Tyr	Leu	Asn
31	Tyr	Glu	Cys	Arg	Pro	Gly	Tyr	Ser	Gly	Arg
41	Pro	Phe	Ser	Ile	Ile	Cys	Leu	Lys	Asn	Ser
51	Val	Trp	Thr	Gly	Ala	Lys	Asp	Arg	Cys	Arg
61	Arg	Lys	Ser	Cys	Arg	Asn	Pro	Pro	Asp	Pro
71	Val	Asn	Gly	Met	Val	His	Val	Ile	Lys	Gly
81	Ile	Gln	Phe	Gly	Ser	Gln	Ile	Lys	Tyr	Ser
91	Cys	Thr	Lys	Gly	Tyr	Arg	Leu	Ile	Gly	Ser
101	Ser	Ser	Ala	Thr	Cys	Ile	Ile	Ser	Gly	Asp
111	Thr	Val	Ile	Trp	Asp	Asn	Glu	Thr	Pro	Ile
121	Cys	Asp	Arg	Ile	Pro	Cys	Gly	Leu	Pro	Pro
131	Thr	Ile	Ala	Asn	Gly	Asp	Phe	Thr	Ser	Ile
141	Ser	Arg	Glu	Tyr	Phe	His	Tyr	Gly	Ser	Val
151	Val	Thr	Tyr	His	Cys	Asn	Leu	Gly	Ser	Arg
161	Gly	Lys	Lys	Val	Phe	Glu	Leu	Val	Gly	Glu
171	Pro	Ser	Ile	Tyr	Cys	Thr	Ser	Lys	Asp	Asp
181	Gln	Val	Gly	Ile	Trp	Ser	Gly	Pro	Ala	Pro
191	Gln	Cys	Ile	Ile	Pro	Asn	Lys			

SEQ ID No. 2 CM7 DNA sequence

1	ATGCAGTGCA	ACGCTCCGGA	ATGGCTGCCG	TTCGCGCGCC	CGACCAACCT
51	GACTGATGAA	TTTGAGTTCC	CGATCGGTAC	CTACCTGAAC	TACGAATGCC
101	GCCCGGGTTA	TAGCGGCCGC	CCGTTTTCTA	TCATCTGCCT	GAAAAACTCT
151	GTCTGGACTG	GTGCTAAGGA	CCGTTGCCGA	CGTAAATCTT	GTCGTAATCC
201	GCCAGATCCG	GTTAACGGCA	TGGTGCATGT	GATCAAAGGC	ATCCAGTTCG
251	GTTCCCAAAT	TAAATATTCT	TGTACTAAAG	GTTACCGTCT	GATTGGTTCC
301	TCCAGCGCTA	CATGCATCAT	CTCTGGTGAT	ACTGTCATTT	GGGATAATGA
351	AACACCGATT	TGTGACCGAA	TTCCGTGTGG	TCTGCCGCCG	ACCATCGCCA
401	ACGGTGATTT	CACCTCTATC	AGTCGCGAGT	ATTTTCACTA	TGGTTCTGTG

451 GTGACCTACC ACTGCAATCT GGGTAGCCGT GGTAAAAAGG TGTTTGAGCT

501 CGTGGGTGAG CCGTCCATCT ACTGCACTAG CAAAGACGAT CAAGTGGGCA

551 TCTGGAGCGG CCCGGCACCG CAGTGCATCA TCCCGAACAA A

SEQ ID No. 3 DNA sequence

1 CGACCATCGC CAACGGTGAT TTCACCTCTA TCAGTCGCGA GTATTTTCAC

SEQ ID No. 4 DNA sequence

1 GTGAAAATAC TCGCGACTGA TAGAGGTGAA ATCACCGTTG GCGATGGTCG

SEQ ID No. 5 DNA sequence

1 GACCTACCAC TGCAATCTGG GTAGCCGTGG TAAAAAGGTG TTTGAGC

SEQ ID No. 6 DNA sequence

1 GCTCAAACAC CTTTTTACCA CGGCTACCCA GATTGCAGTG GTAGGTC

SEQ ID No. 7 DNA sequence

1 GCACTAGCAA AGACGATCAA GTGGG

SEQ ID No. 8 DNA sequence

1 CCCACTTGAT CGTCTTTGCT AGTGC

SEQ ID No. 9 CM1 amino acid sequence

1 Met Gln Cys Asn Ala Pro Glu Trp Leu Pro

11 Phe Ala Arg Pro Thr Asn Leu Thr Asp Glu

21 Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn

31 Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg

41 Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser

51 Val Trp Thr Gly Ala Lys Asp Arg Cys Arg

61 Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro

71 Val Asn Gly Met Val His Val Ile Lys Gly

81 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser

91 Cys Thr Lys Gly Tyr Arg Leu Ile Gly Ser

101 Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp

111 Thr Val Ile Trp Asp Asn Glu Thr Pro Ile

121 Cys Asp Arg Ile Pro Cys Gly Leu Pro Pro

131 Thr Ile Ala Asn Gly Asp Phe Thr Ser Ile

141 Ser Arg Glu Tyr Phe His Tyr Gly Ser Val
151 Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly
161 Gly Arg Lys Val Phe Glu Leu Val Gly Glu
171 Pro Ser Ile Tyr Cys Thr Ser Asn Asp Asp
181 Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191 Gln Cys Ile Ile Pro Asn Lys

SEQ ID No. 10 CM1 DNA sequence

1 ATGCAGTGCA ACGCTCCGGA ATGGCTGCCG TTCGCGCGCC CGACCAACCT
51 GACTGATGAA TTTGAGTTCC CGATCGGTAC CTACCTGAAC TACGAATGCC
101 GCCCGGGTTA TAGCGGCCGC CCGTTTTCTA TCATCTGCCT GAAAAACTCT
151 GTCTGGACTG GTGCTAAGGA CCGTTGCCGA CGTAAATCTT GTCGTAATCC
201 GCCAGATCCG GTTAACGGCA TGGTGCATGT GATCAAAGGC ATCCAGTTCG
251 GTTCCCAAAT TAAATATTCT TGTACTAAAG GTTACCGTCT GATTGGTTCC
301 TCCAGCGCTA CATGCATCAT CTCTGGTGAT ACTGTCATTT GGGATAATGA
351 AACACCGATT TGTGACCGAA TTCCGTGTGG TCTGCCGCCG ACCATCgCCA
401 ACGGTGATTT CACCTCTATC AGTCGCGAGT ATTTTCACTA TGGTTCTGTG
451 GTGACCTACC GCTGCAATCC GGGTAGCGGT GGTCGTAAGG TGTTTGAGCT
501 CGTGGGTGAG CCGTCCATCT ACTGCACTAG TAATGACGAT CAAGTGGGCA
551 TCTGGAGCGG CCCGGCACCG CAGTGCATCA TCCCGAACAA A

SEQ ID No. 11 CM2 amino acid sequence

1 Met Gln Cys Asn Ala Pro Glu Trp Leu Pro
11 Phe Ala Arg Pro Thr Asn Leu Thr Asp Glu
21 Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
31 Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
41 Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
51 Val Trp Thr Gly Ala Lys Asp Arg Cys Arg
61 Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
71 Val Asn Gly Met Val His Val Ile Lys Gly
81 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser
91 Cys Thr Lys Gly Tyr Arg Leu Ile Gly Ser
101 Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp
111 Thr Val Ile Trp Asp Asn Glu Thr Pro Ile
121 Cys Asp Arg Ile Pro Cys Gly Leu Pro Pro
131 Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr
141 Asn Arg Glu Asn Phe His Tyr Gly Ser Val

151 Val Thr Tyr His Cys Asn Leu Gly Ser Arg
161 Gly Lys Lys Val Phe Glu Leu Val Gly Glu
171 Pro Ser Ile Tyr Cys Thr Ser Asn Asp Asp
181 Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191 Gln Cys Ile Ile Pro Asn Lys

SEQ ID No. 12 CM2 DNA sequence

1 ATGCAGTGCA ACGCTCCGGA ATGGCTGCCG TTCGCGCGCC CGACCAACCT
51 GACTGATGAA TTTGAGTTCC CGATCGGTAC CTACCTGAAC TACGAATGCC
101 GCCCGGGTTA TAGCGGCCGC CCGTTTTCTA TCATCTGCCT GAAAAACTCT
151 GTCTGGACTG GTGCTAAGGA CCGTTGCCGA CGTAAATCTT GTCGTAATCC
201 GCCAGATCCG GTTAACGGCA TGGTGCATGT GATCAAAGGC ATCCAGTTCG
251 GTTCCCAAAT TAAATATTCT TGTACTAAAG GTTACCGTCT GATTGGTTCC
301 TCCAGCGCTA CATGCATCAT CTCTGGTGAT ACTGTCATTT GGGATAATGA
351 AACACCGATT TGTGACCGAA TTCCGTGTGG TCTGCCGCCG ACCATCACCA
401 ACGGTGATTT CATCTCTACC AATCGCGAGA ATTTTCACTA TGGTTCTGTG
451 GTGACCTACC ACTGCAATCT GGGTAGCCGT GGTAAAAAGG TGTTTGAGCT
501 CGTGGGTGAG CCGTCCATCT ACTGCACTAG TAATGACGAT CAAGTGGGCA
551 TCTGGAGCGG CCCGGCACCG CAGTGCATCA TCCCGAACAA A

SEQ ID No. 13 CM3 amino acid sequence

1 Met Gln Cys Asn Ala Pro Glu Trp Leu Pro
11 Phe Ala Arg Pro Thr Asn Leu Thr Asp Glu
21 Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
31 Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
41 Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
51 Val Trp Thr Gly Ala Lys Asp Arg Cys Arg
61 Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
71 Val Asn Gly Met Val His Val Ile Lys Gly
81 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser
91 Cys Thr Lys Gly Tyr Arg Leu Ile Gly Ser
101 Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp
111 Thr Val Ile Trp Asp Asn Glu Thr Pro Ile
121 Cys Asp Arg Ile Pro Cys Gly Leu Pro Pro
131 Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr
141 Asn Arg Glu Asn Phe His Tyr Gly Ser Val

151 Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly
161 Gly Arg Lys Val Phe Glu Leu Val Gly Glu
171 Pro Ser Ile Tyr Cys Thr Ser Lys Asp Asp
181 Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191 Gln Cys Ile Ile Pro Asn Lys

SEQ ID No. 14 CM3 DNA sequence

1 ATGCAGTGCA ACGCTCCGGA ATGGCTGCCG TTCGCGCGCC CGACCAACCT
51 GACTGATGAA TTTGAGTTCC CGATCGGTAC CTACCTGAAC TACGAATGCC
101 GCCCGGGTTA TAGCGGCCGC CCGTTTTCTA TCATCTGCCT GAAAAACTCT
151 GTCTGGACTG GTGCTAAGGA CCGTTGCCGA CGTAAATCTT GTCGTAATCC
201 GCCAGATCCG GTTAACGGCA TGGTGCATGT GATCAAAGGC ATCCAGTTCG
251 GTTCCCAAAT TAAATATTCT TGTACTAAAG GTTACCGTCT GATTGGTTCC
301 TCCAGCGCTA CATGCATCAT CTCTGGTGAT ACTGTCATTT GGGATAATGA
351 AACACCGATT TGTGACCGAA TTCCGTGTGG TCTGCCGCCG ACCATCACCA
401 ACGGTGATTT CATCTCTACC AATCGCGAGA ATTTTCACTA TGGTTCTGTG
451 GTGACCTACC GCTGCAATCC GGGTAGCGGT GGTCGTAAGG TGTTTGAGCT
501 CGTGGGTGAG CCGTCCATCT ACTGCACTAG CAAAGACGAT CAAGTGGGCA
551 TCTGGAGCGG CCCGGCACCG CAGTGCATCA TCCCGAACAA A

SEQ ID No. 15 CM5 amino acid sequence

1 Met Gln Cys Asn Ala Pro Glu Trp Leu Pro
11 Phe Ala Arg Pro Thr Asn Leu Thr Asp Glu
21 Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
31 Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
41 Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
51 Val Trp Thr Gly Ala Lys Asp Arg Cys Arg
61 Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
71 Val Asn Gly Met Val His Val Ile Lys Gly
81 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser
91 Cys Thr Lys Gly Tyr Arg Leu Ile Gly Ser
101 Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp
111 Thr Val Ile Trp Asp Asn Glu Thr Pro Ile
121 Cys Asp Arg Ile Pro Cys Gly Leu Pro Pro
131 Thr Ile Ala Asn Gly Asp Phe Thr Ser Ile
141 Ser Arg Glu Tyr Phe His Tyr Gly Ser Val

151 Val Thr Tyr Arg Cys Asn Pro Gly Ser Gly
161 Gly Arg Lys Val Phe Glu Leu Val Gly Glu
171 Pro Ser Ile Tyr Cys Thr Ser Lys Asp Asp
181 Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191 Gln Cys Ile Ile Pro Asn Lys

SEQ ID No. 16 CM5 DNA sequence

1 ATGCAGTGCA ACGCTCCGGA ATGGCTGCCG TTCGCGCGCC CGACCAACCT
51 GACTGATGAA TTTGAGTTCC CGATCGGTAC CTACCTGAAC TACGAATGCC
101 GCCCGGGTTA TAGCGGCCGC CCGTTTTCTA TCATCTGCCT GAAAAACTCT
151 GTCTGGACTG GTGCTAAGGA CCGTTGCCGA CGTAAATCTT GTCGTAATCC
201 GCCAGATCCG GTTAACGGCA TGGTGCATGT GATCAAAGGC ATCCAGTTCG
251 GTTCCCAAAT TAAATATTCT TGTACTAAAG GTTACCGTCT GATTGGTTCC
301 TCCAGCGCTA CATGCATCAT CTCTGGTGAT ACTGTCATTT GGGATAATGA
351 AACACCGATT TGTGACCGAA TTCCGTGTGG TCTGCCGCCG ACCATCGCCA
401 ACGGTGATTT CACCTCTATC AGTCGCGAGT ATTTTCACTA TGGTTCTGTG
451 GTGACCTACC GCTGCAATCC GGGTAGCGGT GGTCGTAAGG TGTTTGAGCT
501 CGTGGGTGAG CCGTCCATCT ACTGCACTAG CAAAGACGAT CAAGTGGGCA
551 TCTGGAGCGG CCCGGCACCG CAGTGCATCA TCCCGAACAA A

SEQ ID No. 17 CM6 amino acid sequence

1 Met Gln Cys Asn Ala Pro Glu Trp Leu Pro
11 Phe Ala Arg Pro Thr Asn Leu Thr Asp Glu
21 Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
31 Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
41 Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
51 Val Trp Thr Gly Ala Lys Asp Arg Cys Arg
61 Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
71 Val Asn Gly Met Val His Val Ile Lys Gly
81 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser
91 Cys Thr Lys Gly Tyr Arg Leu Ile Gly Ser
101 Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp
111 Thr Val Ile Trp Asp Asn Glu Thr Pro Ile
121 Cys Asp Arg Ile Pro Cys Gly Leu Pro Pro
131 Thr Ile Thr Asn Gly Asp Phe Ile Ser Thr
141 Asn Arg Glu Asn Phe His Tyr Gly Ser Val

151 Val Thr Tyr His Cys Asn Leu Gly Ser Arg
161 Gly Lys Lys Val Phe Glu Leu Val Gly Glu
171 Pro Ser Ile Tyr Cys Thr Ser Lys Asp Asp
181 Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191 Gln Cys Ile Ile Pro Asn Lys

SEQ ID No. 18 CM6 DNA sequence

1 ATGCAGTGCA ACGCTCCGGA ATGGCTGCCG TTCGCGCGCC CGACCAACCT
51 GACTGATGAA TTTGAGTTCC CGATCGGTAC CTACCTGAAC TACGAATGCC
101 GCCCGGGTTA TAGCGGCCGC CCGTTTTCTA TCATCTGCCT GAAAAACTCT
151 GTCTGGACTG GTGCTAAGGA CCGTTGCCGA CGTAAATCTT GTCGTAATCC
201 GCCAGATCCG GTTAACGGCA TGGTGCATGT GATCAAAGGC ATCCAGTTCG
251 GTTCCCAAAT TAAATATTCT TGTACTAAAG GTTACCGTCT GATTGGTTCC
301 TCCAGCGCTA CATGCATCAT CTCTGGTGAT ACTGTCATTT GGGATAATGA
351 AACACCGATT TGTGACCGAA TTCCGTGTGG TCTGCCGCCG ACCATCACCA
401 ACGGTGATTT CATCTCTACC AATCGCGAGA ATTTTCACTA TGGTTCTGTG
451 GTGACCTACC ACTGCAATCT GGGTAGCCGT GGTAAAAAGG TGTTTGAGCT
501 CGTGGGTGAG CCGTCCATCT ACTGCACTAG CAAAGACGAT CAAGTGGGCA
551 TCTGGAGCGG CCCGGCACCG CAGTGCATCA TCCCGAACAA A

SEQ ID No. 19 CM8 amino acid sequence

1 Met Arg Ile Pro Cys Gly Leu Pro Pro Thr
11 Ile Ala Asn Gly Asp Phe Thr Ser Ile Ser
21 Arg Glu Tyr Phe His Tyr Gly Ser Val Val
31 Thr Tyr Arg Cys Asn Pro Gly Ser Gly Gly
41 Arg Lys Val Phe Glu Leu Val Gly Glu Pro
51 Ser Ile Tyr Cys Thr Ser Asn Asp Asp Gln
61 Val Gly Ile Trp Ser Gly Pro Ala Pro Gln
71 Cys Ile Ile Pro Asn Lys

SEQ ID No. 20 CM8 DNA sequence

```
   1  ATGCGAATTC CGTGTGGTCT GCCGCCGACC ATCGCCAACG GTGATTTCAC
  51  CTCTATCAGT CGCGAGTATT TTCACTATGG TTCTGTGGTG ACCTACCGCT
 101  GCAATCCGGG TAGCGGTGGT CGTAAGGTGT TTGAGCTCGT GGGTGAGCCG
 151  TCCATCTACT GCACTAGTAA TGACGATCAA GTGGGCATCT GGAGCGGCCC
 201  GGCACCGCAG TGCATCATCC CGAACAAA
```

SEQ ID No. 21 CM9 amino acid sequence

```
   1  Met Arg Ile Pro Cys Gly Leu Pro Pro Thr
  11  Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn
  21  Arg Glu Asn Phe His Tyr Gly Ser Val Val
  31  Thr Tyr His Cys Asn Leu Gly Ser Arg Gly
  41  Lys Lys Val Phe Glu Leu Val Gly Glu Pro
  51  Ser Ile Tyr Cys Thr Ser Asn Asp Asp Gln
  61  Val Gly Ile Trp Ser Gly Pro Ala Pro Gln
  71  Cys Ile Ile Pro Asn Lys
```

SEQ ID No. 22 CM9 DNA sequence

```
   1  ATGCGAATTC CGTGTGGTCT GCCGCCGACC ATCACCAACG GTGATTTCAT
  51  CTCTACCAAT CGCGAGAATT TTCACTATGG TTCTGTGGTG ACCTACCACT
 101  GCAATCTGGG TAGCCGTGGT AAAAAGGTGT TTGAGCTCGT GGGTGAGCCG
 151  TCCATCTACT GCACTAGTAA TGACGATCAA GTGGGCATCT GGAGCGGCCC
 201  GGCACCGCAG TGCATCATCC CGAACAAA
```

SEQ ID No. 23 CM10 amino acid sequence

```
   1  Met Arg Ile Pro Cys Gly Leu Pro Pro Thr
  11  Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn
  21  Arg Glu Asn Phe His Tyr Gly Ser Val Val
  31  Thr Tyr Arg Cys Asn Pro Gly Ser Gly Gly
  41  Arg Lys Val Phe Glu Leu Val Gly Glu Pro
  51  Ser Ile Tyr Cys Thr Ser Lys Asp Asp Gln
  61  Val Gly Ile Trp Ser Gly Pro Ala Pro Gln
  71  Cys Ile Ile Pro Asn Lys
```

SEQ ID No. 24 CM10 DNA sequence

```
   1  ATGCGAATTC CGTGTGGTCT GCCGCCGACC ATCACCAACG GTGATTTCAT
  51  CTCTACCAAT CGCGAGAATT TTCACTATGG TTCTGTGGTG ACCTACCGCT
 101  GCAATCCGGG TAGCGGTGGT CGTAAGGTGT TTGAGCTCGT GGGTGAGCCG
 151  TCCATCTACT GCACTAGCAA AGACGATCAA GTGGGCATCT GGAGCGGCCC
 201  GGCACCGCAG TGCATCATCC CGAACAAA
```

SEQ ID No. 25 CM12 amino acid sequence

```
   1  Met Arg Ile Pro Cys Gly Leu Pro Pro Thr
  11  Ile Ala Asn Gly Asp Phe Thr Ser Ile Ser
  21  Arg Glu Tyr Phe His Tyr Gly Ser Val Val
  31  Thr Tyr Arg Cys Asn Pro Gly Ser Gly Gly
  41  Arg Lys Val Phe Glu Leu Val Gly Glu Pro
  51  Ser Ile Tyr Cys Thr Ser Lys Asp Asp Gln
  61  Val Gly Ile Trp Ser Gly Pro Ala Pro Gln
  71  Cys Ile Ile Pro Asn Lys
```

SEQ ID No. 26 CM12 DNA sequence

```
   1  ATGCGAATTC CGTGTGGTCT GCCGCCGACC ATCGCCAACG GTGATTTCAC
  51  CTCTATCAGT CGCGAGTATT TTCACTATGG TTCTGTGGTG ACCTACCGCT
 101  GCAATCCGGG TAGCGGTGGT CGTAAGGTGT TTGAGCTCGT GGGTGAGCCG
 151  TCCATCTACT GCACTAGCAA AGACGATCAA GTGGGCATCT GGAGCGGCCC
 201  GGCACCGCAG TGCATCATCC CGAACAAA
```

SEQ ID No. 27 CM13 amino acid sequence

```
   1  Met Arg Ile Pro Cys Gly Leu Pro Pro Thr
  11  Ile Thr Asn Gly Asp Phe Ile Ser Thr Asn
  21  Arg Glu Asn Phe His Tyr Gly Ser Val Val
  31  Thr Tyr His Cys Asn Leu Gly Ser Arg Gly
  41  Lys Lys Val Phe Glu Leu Val Gly Glu Pro
  51  Ser Ile Tyr Cys Thr Ser Lys Asp Asp Gln
  61  Val Gly Ile Trp Ser Gly Pro Ala Pro Gln
  71  Cys Ile Ile Pro Asn Lys
```

SEQ ID No. 28 CM13 DNA sequence

```
   1  ATGCGAATTC CGTGTGGTCT GCCGCCGACC ATCACCAACG GTGATTTCAT
  51  CTCTACCAAT CGCGAGAATT TTCACTATGG TTCTGTGGTG ACCTACCACT
 101  GCAATCTGGG TAGCCGTGGT AAAAAGGTGT TTGAGCTCGT GGGTGAGCCG
 151  TCCATCTACT GCACTAGCAA AGACGATCAA GTGGGCATCT GGAGCGGCCC
 201  GGCACCGCAG TGCATCATCC CGAACAAA
```

SEQ ID No. 29 CM14 amino acid sequence

```
   1  Met Arg Ile Pro Cys Gly Leu Pro Pro Thr
  11  Ile Ala Asn Gly Asp Phe Thr Ser Ile Ser
  21  Arg Glu Tyr Phe His Tyr Gly Ser Val Val
  31  Thr Tyr His Cys Asn Leu Gly Ser Arg Gly
  41  Lys Lys Val Phe Glu Leu Val Gly Glu Pro
  51  Ser Ile Tyr Cys Thr Ser Lys Asp Asp Gln
  61  Val Gly Ile Trp Ser Gly Pro Ala Pro Gln
  71  Cys Ile Ile Pro Asn Lys
```

SEQ ID No. 30 CM14 DNA sequence

```
   1  ATGCGAATTC CGTGTGGTCT GCCGCCGACC ATCGCCAACG GTGATTTCAC
  51  CTCTATCAGT CGCGAGTATT TTCACTATGG TTCTGTGGTG ACCTACCACT
 101  GCAATCTGGG TAGCCGTGGT AAAAAGGTGT TTGAGCTCGT GGGTGAGCCG
 151  TCCATCTACT GCACTAGCAA AGACGATCAA GTGGGCATCT GGAGCGGCCC
 201  GGCACCGCAG TGCATCATCC CGAACAAA
```

SEQ ID No. 31 CM7/cys amino acid sequence

```
   1  Met Gln Cys Asn Ala Pro Glu Trp Leu Pro
  11  Phe Ala Arg Pro Thr Asn Leu Thr Asp Glu
  21  Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
  31  Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
  41  Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
  51  Val Trp Thr Gly Ala Lys Asp Arg Cys Arg
  61  Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
  71  Val Asn Gly Met Val His Val Ile Lys Gly
  81  Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser
```

91 Cys Thr Lys Gly Tyr Arg Leu Ile Gly Ser
101 Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp
111 Thr Val Ile Trp Asp Asn Glu Thr Pro Ile
121 Cys Asp Arg Ile Pro Cys Gly Leu Pro Pro
131 Thr Ile Ala Asn Gly Asp Phe Thr Ser Ile
141 Ser Arg Glu Tyr Phe His Tyr Gly Ser Val
151 Val Thr Tyr His Cys Asn Leu Gly Ser Arg
161 Gly Lys Lys Val Phe Glu Leu Val Gly Glu
171 Pro Ser Ile Tyr Cys Thr Ser Lys Asp Asp
181 Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191 Gln Cys Ile Ile Pro Asn Lys Cys

SEQ ID No. 32 DNA sequence

1 CTGGAGCGGG CCCGCACCGC AGTGCATCAT CCCGAACAAA TGCTAATAAA AGC

SEQ ID No. 33 DNA sequence

1 GCTTTTATTA GCATTTGTTC GGGATGATGC ACTGCGGTGC GGGCCCGCTC CAG

SEQ ID No. 34 CM7/Cys-S-S-[MSWP-1] amino acid sequence

1 Met Gln Cys Asn Ala Pro Glu Trp Leu Pro
11 Phe Ala Arg Pro Thr Asn Leu Thr Asp Glu
21 Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
31 Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
41 Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
51 Val Trp Thr Gly Ala Lys Asp Arg Cys Arg
61 Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
71 Val Asn Gly Met Val His Val Ile Lys Gly
81 Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser
91 Cys Thr Lys Gly Tyr Arg Leu Ile Gly Ser
101 Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp
111 Thr Val Ile Trp Asp Asn Glu Thr Pro Ile
121 Cys Asp Arg Ile Pro Cys Gly Leu Pro Pro
131 Thr Ile Ala Asn Gly Asp Phe Thr Ser Ile
141 Ser Arg Glu Tyr Phe His Tyr Gly Ser Val
151 Val Thr Tyr His Cys Asn Leu Gly Ser Arg

161 Gly Lys Lys Val Phe Glu Leu Val Gly Glu
171 Pro Ser Ile Tyr Cys Thr Ser Lys Asp Asp
181 Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191 Gln Cys Ile Ile Pro Asn Lys Cys-S-S-Cys

| |

CO_2H $CONH_2$

Asp Gly Pro Lys Lys Lys Lys Lys Lys Ser
Pro Ser Lys Ser Ser Gly (N-Myristoyl)

SEQ ID No. 35: Amino acid sequence of peptide used in MSWP synthesis

1 Gly Ser Ser Lys Ser Pro Ser Lys Lys Lys
11 Lys Lys Lys Pro Gly Asp Cys NH_2

SEQ ID No. 36 CM15/cys amino acid sequence

1 Met Gln Cys Asn Val Pro Glu Trp Leu Pro
11 Phe Ala Arg Pro Thr Asn Leu Thr Asp Asp
21 Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
31 Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
41 Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
51 Val Trp Thr Ser Ala Lys Asp Lys Cys Lys
61 Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
71 Val Asn Gly Met Ala His Val Ile Lys Asp
81 Ile Gln Phe Arg Ser Gln Ile Lys Tyr Ser
91 Cys Pro Lys Gly Tyr Arg Leu Ile Gly Ser
101 Ser Ser Ala Thr Cys Ile Ile Ser Gly Asn
111 Thr Val Ile Trp Asp Asn Lys Thr Pro Val
121 Cys Asp Arg Ile Ile Cys Gly Leu Pro Pro
131 Thr Ile Ala Asn Gly Asp Phe Thr Ser Ile
141 Ser Arg Glu Tyr Phe His Tyr Gly Ser Val
151 Val Thr Tyr His Cys Asn Leu Gly Ser Arg
161 Gly Lys Lys Val Phe Glu Leu Val Gly Glu
171 Pro Ser Ile Tyr Cys Thr Ser Lys Asp Asp
181 Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191 Gln Cys Ile Ile Pro Asn Lys Cys

SEQ ID No. 37 DNA sequence

1 CAGTGCAACG TGCCGGAATG G

SEQ ID No. 38 DNA sequence

1 CCATTCCGGA ACGTTGCACT G

SEQ ID No. 39 DNA sequence

1 GACTGATGAT TTTGAGTTCC

SEQ ID No. 40 DNA sequence

1 GGAACTCAAA ATCATCAGTC

SEQ ID No. 41 DNA sequence

1 GTCTGGACTA GTGCTAAGGA CAAGTGCAAA CGTAAATCTT GTCG

SEQ ID No. 42 DNA sequence

1 CGACAAGATT TACGTTTGCA CTTGTCCTTA GCACTAGTCC AGAC

SEQ ID No. 43 DNA sequence

1 CGGCATGGCG CATGTGATCA AAGATATCCA GTTCCGATCG CAAATTAAAT

51 ATTCTTGTCC TAAGGGTTAC CGTC

SEQ ID No. 44 DNA sequence

1 GACGGTAACC CTTAGGACAA GAATATTTAA TTTGCGATCG GAACTGGATA

51 TCTTTGATCA CATGCGCCAT GCCG

SEQ ID No. 45 DNA sequence

1 CATCTCTGGT AATACTGTCA TTTGGGATAA TAAAACACCG GTTTGTGACC

SEQ ID No. 46 DNA sequence

1 GGTCACAAAC CGGTGTTTTA TTATCCCAAA TGACAGTATT ACCAGAGATG

SEQ ID No. 47 DNA sequence

1 GACCGAATTA TCTGTGGTCT G

SEQ ID No. 48 DNA sequence

1 CAGACCACAG ATAATTCGGT C

SEQ ID No. 49 CM15/cys-MSWP1 amino acid sequence

```
1    Met Gln Cys Asn Val Pro Glu Trp Leu Pro
11   Phe Ala Arg Pro Thr Asn Leu Thr Asp Asp
21   Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
31   Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
41   Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
51   Val Trp Thr Ser Ala Lys Asp Lys Cys Lys
61   Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
71   Val Asn Gly Met Ala His Val Ile Lys Asp
81   Ile Gln Phe Arg Ser Gln Ile Lys Tyr Ser
91   Cys Pro Lys Gly Tyr Arg Leu Ile Gly Ser
101  Ser Ser Ala Thr Cys Ile Ile Ser Gly Asn
111  Thr Val Ile Trp Asp Asn Lys Thr Pro Val
121  Cys Asp Arg Ile Ile Cys Gly Leu Pro Pro
131  Thr Ile Ala Asn Gly Asp Phe Thr Ser Ile
141  Ser Arg Glu Tyr Phe His Tyr Gly Ser Val
151  Val Thr Tyr His Cys Asn Leu Gly Ser Arg
161  Gly Lys Lys Val Phe Glu Leu Val Gly Glu
171  Pro Ser Ile Tyr Cys Thr Ser Lys Asp Asp
181  Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191  Gln Cys Ile Ile Pro Asn Lys Cys-S-S-Cys
                                   |     |
                                  CO2H  CONH2

     Asp Gly Pro Lys Lys Lys Lys Lys Lys Ser
     Pro Ser Lys Ser Ser Gly (N-Myristoyl)
```

SEQ ID No. 50 CM16/cys amino acid sequence

```
1    Met Gln Cys Asn Val Pro Glu Trp Leu Pro
11   Phe Ala Arg Pro Thr Asn Leu Thr Asp Asp
21   Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
31   Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
41   Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
51   Val Trp Thr Ser Ala Lys Asp Lys Cys Lys
61   Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
71   Val Asn Gly Met Ala His Val Ile Lys Asp
81   Ile Gln Phe Arg Ser Gln Ile Lys Tyr Ser
91   Cys Pro Lys Gly Tyr Arg Leu Ile Gly Ser
```

101 Ser Ser Ala Thr Cys Ile Ile Ser Gly Asn
111 Thr Val Ile Trp Asp Asn Lys Thr Pro Val
121 Cys Asp Arg Ile Pro Cys Gly Leu Pro Pro
131 Thr Ile Ala Asn Gly Asp Phe Thr Ser Ile
141 Ser Arg Glu Tyr Phe His Tyr Gly Ser Val
151 Val Thr Tyr His Cys Asn Leu Gly Ser Arg
161 Gly Lys Lys Val Phe Glu Leu Val Gly Glu
171 Pro Ser Ile Tyr Cys Thr Ser Lys Asp Asp
181 Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191 Gln Cys Ile Ile Pro Asn Lys Cys

SEQ ID No. 51 CM16/cys-MSWP1 amino acid sequence

1 Met Gln Cys Asn Val Pro Glu Trp Leu Pro
11 Phe Ala Arg Pro Thr Asn Leu Thr Asp Asp
21 Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
31 Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
41 Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
51 Val Trp Thr Ser Ala Lys Asp Lys Cys Lys
61 Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
71 Val Asn Gly Met Ala His Val Ile Lys Asp
81 Ile Gln Phe Arg Ser Gln Ile Lys Tyr Ser
91 Cys Pro Lys Gly Tyr Arg Leu Ile Gly Ser
101 Ser Ser Ala Thr Cys Ile Ile Ser Gly Asn
111 Thr Val Ile Trp Asp Asn Lys Thr Pro Val
121 Cys Asp Arg Ile Pro Cys Gly Leu Pro Pro
131 Thr Ile Ala Asn Gly Asp Phe Thr Ser Ile
141 Ser Arg Glu Tyr Phe His Tyr Gly Ser Val
151 Val Thr Tyr His Cys Asn Leu Gly Ser Arg
161 Gly Lys Lys Val Phe Glu Leu Val Gly Glu
171 Pro Ser Ile Tyr Cys Thr Ser Lys Asp Asp
181 Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191 Gln Cys Ile Ile Pro Asn Lys Cys-S-S-Cys

CO_2H $CONH_2$

Asp Gly Pro Lys Lys Lys Lys Lys Lys Ser
Pro Ser Lys Ser Ser Gly (N-Myristoyl)

Seq ID No. 52 DNA sequence

```
1    CGCACCGCAG TGCATCATCC CGAACAAAGA TGGCCCGAGC GAAATTCTGC
51   GTGGCGATTT TAGCAGCTGC TA
```

Seq ID No. 53 DNA sequence

```
1    AGCTTAGCAG CTGCTAAAAT CGCCACGCAG AATTTCGCTC GGGCCATCTT
51   TGTTCGGGAT GATGCACTGC GGTGCGGGCC
```

SEQ ID NO. 54: CM7rgdcys amino acid sequence

```
1    Met Gln Cys Asn Ala Pro Glu Trp Leu Pro
11   Phe Ala Arg Pro Thr Asn Leu Thr Asp Glu
21   Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
31   Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
41   Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
51   Val Trp Thr Gly Ala Lys Asp Arg Cys Arg
61   Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
71   Val Asn Gly Met Val His Val Ile Lys Gly
81   Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser
91   Cys Thr Lys Gly Tyr Arg Leu Ile Gly Ser
101  Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp
111  Thr Val Ile Trp Asp Asn Glu Thr Pro Ile
121  Cys Asp Arg Ile Pro Cys Gly Leu Pro Pro
131  Thr Ile Ala Asn Gly Asp Phe Thr Ser Ile
141  Ser Arg Glu Tyr Phe His Tyr Gly Ser Val
151  Val Thr Tyr His Cys Asn Leu Gly Ser Arg
161  Gly Lys Lys Val Phe Glu Leu Val Gly Glu
171  Pro Ser Ile Tyr Cys Thr Ser Lys Asp Asp
181  Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191  Gln Cys Ile Ile Pro Asn Lys Asp Gly Pro
201  Ser Glu Ile Leu Arg Gly Asp Phe Ser Ser
211  Cys
```

Seq ID No. 55 DNA sequence

```
1    CGCACCGCAG TGCATCATCC CGAACAAAGC GGCGCCCAGC GTGATTGGCT
51   TCCGTATTCT GCTGCTGAAA GTGGCGGGCT GATA
```

Seq ID No. 56 DNA sequence

```
1    AGCTTATCAG CCCGCCACTT TCAGCAGCAG AATACGGAAG CCAATCACGC
51   TGGGCGCCGC TTTGTTCGGG ATGATGCACT GCGGTGCGGG CC
```

SEQ ID NO. 57: CM7Tcell amino acid sequence

```
1    Met Gln Cys Asn Ala Pro Glu Trp Leu Pro
11   Phe Ala Arg Pro Thr Asn Leu Thr Asp Glu
21   Phe Glu Phe Pro Ile Gly Thr Tyr Leu Asn
31   Tyr Glu Cys Arg Pro Gly Tyr Ser Gly Arg
41   Pro Phe Ser Ile Ile Cys Leu Lys Asn Ser
51   Val Trp Thr Gly Ala Lys Asp Arg Cys Arg
61   Arg Lys Ser Cys Arg Asn Pro Pro Asp Pro
71   Val Asn Gly Met Val His Val Ile Lys Gly
81   Ile Gln Phe Gly Ser Gln Ile Lys Tyr Ser
91   Cys Thr Lys Gly Tyr Arg Leu Ile Gly Ser
101  Ser Ser Ala Thr Cys Ile Ile Ser Gly Asp
111  Thr Val Ile Trp Asp Asn Glu Thr Pro Ile
121  Cys Asp Arg Ile Pro Cys Gly Leu Pro Pro
131  Thr Ile Ala Asn Gly Asp Phe Thr Ser Ile
141  Ser Arg Glu Tyr Phe His Tyr Gly Ser Val
151  Val Thr Tyr His Cys Asn Leu Gly Ser Arg
161  Gly Lys Lys Val Phe Glu Leu Val Gly Glu
171  Pro Ser Ile Tyr Cys Thr Ser Lys Asp Asp
181  Gln Val Gly Ile Trp Ser Gly Pro Ala Pro
191  Gln Cys Ile Ile Pro Asn Lys Ala Ala Pro
201  Ser Val Ile Gly Phe Arg Ile Leu Leu Leu
211  Lys Val Ala Gly
```